

***Remarks***

Upon entry of the foregoing amendment, claims 1-33 are pending in this application. Applicant seeks to amend claims 7-8 by the foregoing Preliminary Amendment. These changes and additions are believed to be fully supported by the specification and are not believed to introduce new matter. Thus, it is respectfully requested that the amendments be entered and considered by the Examiner. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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**Version with markings to show changes made**

Claim 7. (once amended) [A] The crystal oscillator of claim 6, further including:

[a linear buffer amplifier, coupled to receive the differential sinusoidal signals, and providing a differential sinusoidal output signal at a pair of output terminals; and]

a non linear buffer amplifier, cascaded after the linear buffer amplifier such that the differential sinusoidal output signal [are] is transformed into a differential periodic reference signal in operative response to the differential sinusoidal [input] output signal from the linear buffer amplifier.

Claim 8. (once amended) A crystal oscillator, including:

a resonator circuit, defining a symmetrical pair of output terminals;

an active oscillator circuit, coupled to the resonator circuit output terminals, and thus creating differential sinusoidal signals at the symmetrical pair of output terminals;

a linear buffer amplifier, coupled to receive the differential sinusoidal signals thus created by the resonator circuit and active oscillator circuit interaction, and providing a differential sinusoidal output signal at a pair of output terminals; and

a non linear buffer amplifier, cascaded after the linear buffer amplifier such that the differential sinusoidal output signal [are] is transformed into a differential periodic reference signal in operative response to the differential sinusoidal [input] output signal from the linear buffer amplifier.